JOURNAL OF SPEECH AND HEARING RESEARCH
INDEX TO VOLUME 23, 1980

AUTHOR INDEX 917
SUBJECT INDEX 921
TITLE INDEX 925

AUTHOR INDEX

Abbs, James H., Labial-Mandibular Motor Equivalence in Speech: A Response to Sussman's Evaluation, September, 702-704.
Adams, Martin R., Some Comments on "Effects of Five Experimental Treatments on Stuttering", March, 210-213.
Adams, Martin R., Vocal Characteristics of Normal Speakers and Stutterers During Choral Reading, June, 457-470.
Andrews, Gavin, *see*, Platt, L. J.
Aronson, Arnold E., *see*, Dworkin, James P.
Askenfelt, Anders, Vocal Fundamental Frequency as Measured from Contact Microphone and Electroglottograph Recordings. A Comparison of Contact Microphone and Electroglottograph for the Measurement of Vocal Fundamental Frequency, June, 258-274.

Beasley, Daniel S., Intelligibility of Time-Compressed Sentential Stimuli, December, 722-731.
Beaudet, Rudolph, *see*, Prins, David
Berko-Gleason, Jean, Narrative Strategies of Aphasic and Normal Subjects, June 370-383.
Bond, Z. S., Acquisition of the Voicing Contrast by Language-Delayed and Normal Children, March, 152-161.
Branston, Mary B., *see*, Miller, Jon F.
Bratt, Gene W., *see*, Beasley, Daniel S.
Brookshire, R. H., Verification of Active and Passive Sentences by Aphasic and Nonaphasic Subjects, December, 878-893.
Buhr, Robert D., The Emergence of Vowels in an Infant, March, 73-94.
Bui, Duc M., *see*, Thompson, David J.
Buus, Soren, *see*, Florentine, Mary

Carhart, Raymond, *see*, Young, Lamar L., Jr.
Carpenter, Robert L., *see*, VanKleeck, Anne
Carterette, E. C., *see*, Kamm, Candace
Cerf, F. Ann, *see*, Prins, David
Chapman, Robin S., *see*, Miller, Jon F.
Collins, Michael, *see*, Porch, Bruce E.
Crowell, David H., Autoregressive Analysis: A Method for Detecting Electroencephalic Changes in Newborns to Tones, June, 248-258.
Cullinan, Walter L., Voice Initiation and Termination Times in Stuttering and Nonstuttering Children, June, 344-361.

Daniloff, R. G., *see*, Hoffmann, Paul R.
Darley, Frederic L., *see*, Disimoni, Frank G.
Dirks, D. D., *see*, Kamm, Candace
DiSimoni, Frank G., Prediction of PICA Overall Score by Short Versions of the Test, September, 511-516.
Doherty, E. Thomas, *see*, Murry, Thomas
Dworkin, James P., Tongue Force in Normals and in Dysarthric Patients with Amyotrophic Lateral Sclerosis, December, 828-837.

Eilers, Rebecca E., A Comparative Study of Speech Perception in Young Severely Retarded Children and Normal Infants, June, 419-429.

Fehst, Christine A., *see*, Siegel, Gerald M.
Florentine, Mary, Frequency Selectivity in Normally-Hearing and Hearing-Impaired Observers, September, 646-669.
Friden, Thomas P., *see*, Porch, Bruce E.
Fujikawa, Sharon, *see*, Owens, Elmer

Garber, Sharon, *see*, Siegel, Gerald M.
Garber, Sharon R., The Effects of Noise and Palatal Appliances on the Speech of Five-Year-Old Children, December, 853-863.
Garber, Sharon R., The Effects of Presentation of Noise and Dental Appliances on Speech, December, 838-852.
Gauffin, Jan, *see*, Askenfelt, Anders
Gavin, William J., *see* Oller, D. Kimbrough
Glass, Lillian, *see*, Garber, Sharon R.
Goldberg, Seth M., *see*, Margolis, Robert H.
Goldstein, Howard, *see*, Till, James A.
Goldstein, Robert, *see*, Wolf, Kenneth E.
Goodglass, Harold, *see*, Berko-Gleason, Jean
Goodman, Jeannette T., *see*, Young, Lamar L., Jr.
Green, Eugene, *see*, Berko-Gleason, Jean

Haggard, Mark P., *see*, Stephen, Simon C. G.
Haroldson, Samuel K., *see*, Martin, Richard R.
Harvey, Nigel, Isotonic Vocalis Contraction as a Means of Producing Rapid Decreases in F_0, September, 576-592.
Hawkins, David B., The Effect of Medication on Interaural Time and Intensity of Discrimination in a Hemispherectomee, March, 219-221.
Haynes, William O., *see*, Moore, W. H., Jr.
Hegde, M. N., An Experimental-Clinical Analysis of Grammatical and Behavioral Distinctions Between Verbal Auxiliary and Copula, December, 864-877.
Heimbuch, Raymond C., *see*, Kidd, Kenneth K.
Hoffmann, Paul R., Developmental Trends in Correct /r/ Articulation as a Function of Allophone Type, December, 746-756.
Horii, Yoshiyuki, *see*, Sorensen, David
Horii, Yoshiyuki, Vocal Shimmer in Sustained Phonation, March, 202-209.
Howell, Pete, *see*, Harvey, Nigel
Howell, Robert J., *see*, Todt, Ellen H.
Howie, Pauline M., *see*, Platt, L. J.
Hubbard, Dee J., A Comparison of Speech Intelligibility Between Esophageal and Normal Speakers via Three Modes of Presentation, December, 909-916.
Huggins, A. W. F., Better Spectrograms from Children's Speech, March, 19-27.
Hughes, Olive M., *see*, Abbs, James H.
Hyde, Mary R., *see*, Berko-Gleason, Jean

Iglesias, Aquiles, Simultaneous Assessment of Pharyngeal Wall and Velar Displacement for Selected Speech Sounds, June, 429-447.
Ingham, Roger J., Modification of Maintenance and Generalization During Stuttering Treatment, December, 732-745.
Izdebski, Krzysztof, Effects of Prestimulus Interval on Phonation Initiation Reaction Time, September, 485-489.

Jones, Richard H., *see*, Crowell, David H.

Kamm, Candace, Use of Digitized Speech Materials in Audiological Research, December, 709-721.
Kapuniai, Linda E., *see*, Crowell, David H.
Keith, Robert L., *see*, DiSimoni, Frank G.
Kelso, J. A. Scott, *see*, Zimmermann, Gerald
Kidd, Kenneth K., Familial Stuttering Patterns Are Not Related to One Measure of Severity, September, 539-545.
Kitzing, Peter, *see*, Askenfelt, Anders

Kuehn, David P., *see,* Iglesias, Aquiles
Kushner, Deanie, *see,* Hubbard, Dee J.

Lander, Larry, *see,* Zimmermann, Gerald
Leonard, Rebecca, *see,* Sorensen, David
Łetowski, Tomasz, *see,* Nábělek, Anna K.
Lingwall, James B., *see,* Reed, Charles G.
Longstreth, Dana, *see,* Weismer, Gary
Lubker, J. F., *see,* Porter, R. J., Jr.

Mandelkorn, Theodore, *see,* Prins, David
Margolis, Robert H., Auditory Frequency Selectivity in Normal and Presbycusic Subjects, September, 603-613.
Martin, Richard R., Some Comments on "Effects of Five Experimental Treatments on Stuttering": A Reply, March, 214-216.
Mason, David, *see,* Nábelek, Anna K.
Miller, Edward, *see,* Garber, Sharon R.
Miller, Jon F., Language Comprehension in Sensorimotor Stages V and VI, June, 284-311.
Montgomery, Allen A., *see,* Walden, Brian E.
Moore, W. H., Jr., Alpha Hemispheric Asymmetry and Stuttering: Some Support for a Segmentation Dysfunction Hypothesis, June, 229-248.
Morgan, D. E., *see,* Kamm, Candace
Morris, Hughlett L., *see,* Iglesias, Aquiles
Mulder, Donald W., *see,* Dworkin, James P.
Murry, Thomas, Selected Acoustic Characteristics of Pathologic and Normal Speakers, June, 361-370.

Nábelek, Anna K., An Influence of Binaural Hearing Aids on Positioning of Sound Images, September, 670-687.
Nicholas, L. E., *see,* Brookshire, R. H.

Obler, Loraine, *see,* Berko-Gleason, Jean
Oehlert, Gary, *see,* Kidd, Kenneth K.
Oller, D. Kimbrough, Tactual Speech Perception by Minimally Trained Deaf Subjects, December, 769-778.
Owens, Elmer, The Hearing Performance Inventory and Hearing Aid Use in Profound Hearing Loss, June, 470-480.

Pang-Ching, Glenn, *see,* Crowell, David H.
Payne, Shelley L., *see,* Oller, D. Kimbrough
Penner, M. J., Two-Tone Forward Masking Patterns and Tinnitus, December, 779-786.
Pick, Herbert L., Jr., *see,* Siegel, Gerald M.
Platt, L. J., Dysarthria of Adult Cerebral Palsy: I. Intelligibility and Articulatory Impairment, March, 28-40.
Platt, L. J., Dysarthria of Adult Cerebral Palsy: II. Phonemic Analysis of Articulation Errors, March, 41-55.
Porch, Bruce E., Statistical Prediction of Change in Aphasia, June, 312-322.
Porter, R. J., Jr., Rapid Reproduction of Vowel-Vowel Sequences: Evidence for a Fast and Direct Acoustic-Motoric Linkage in Speech, September, 593-602.
Porter, R. J., Jr., The "Linguameter": A Device for Investigating Tongue-Muscle Control, September, 490-494.
Prins, David, Defense Preference and Stutterers' Speech Disfluencies: Implications for the Nature of the Disorder, December, 757-768.
Prins, David, Principal and Differential Effects of Haloperidol and Placebo Treatments Upon Speech Disfluencies in Stutterers, September, 614-629.
Prosek, Robert A., *see,* Walden, Brian E.

Quinn, A. M. S., *see,* Umeda, N.
Quinn, Peter T., *see,* Platt, L. J.

Raffin, Michael J. M., Application of a Probability Model Based on the Binomial Distribution to Speech-Discrimination Scores, September, 570-575.

Raffin, Michael J. M., Confidence Levels for Differences Between Speech-Discrimination Scores, March, 5-18.
Ramig, Peter, *see*, Adams, Martin R.
Recke, Kay S., *see*, Thompson, David J.
Records, Mary A., *see*, Kidd, Kenneth K.
Reed, Charles G., Conditioned Stimulus Effects on Stuttering and GSRs, June, 336-344.
Reichle, Joe, *see*, Miller, Jon F.
Richman, Lynn C., Cognitive Patterns and Learning Disabilities in Cleft Palate Children with Verbal Deficits, June, 447-457.
Rintelmann, William F., *see*, Beasley, Daniel S.

Schafer, Debra, *see*, Raffin, Michael J. M.
Scharf, Bertram, *see*, Florentine, Mary
Schuckers, G. H., *see*, Hoffmann, Paul R.
Schwartz, Daniel M., *see*, Walden, Brian E.
Siegel, Gerald M., *see*, Garber, Sharon R.
Siegel, Gerald M., Delayed Auditory Feedback With Children, December, 802-813.
Sills, John A., *see*, Thompson, David J.
Silverman, Franklin H., Dimensions of Improvement in Stuttering, March, 137-151.
Solan, Lawrence, Contrastive Stress and Children's Interpretation of Pronouns, September, 688-698.
Sorensen, David, Effects of Laryngeal Topical Anesthesia on Voice Fundamental Frequency Perturbation, June, 274-284.
Speidel, T. Michael, *see*, Garber, Sharon, R.
Springer, Mark T., *see*, Cullinan, Walter L.
Stephen, Simon C. G., Acoustic Properties of Masking/Delayed Feedback in the Fluency of Stutterers and Controls, September, 527-538.
Sundberg, Johan, *see*, Askenfelt, Anders
Sussman, Harvey M., Methodological Problems in Evaluating Lip/Jaw Reciprocity as an Index of Motor Equivalence, September, 699-702.

Thompson, David J., Acoustic Reflex Growth in the Aging Adult, June, 405-419.
Thornton, Aaron R., *see*, Yoshioka, Patricia
Thornton, Aaron R., *see*, Raffin, Michael J. M.
Tiffany, William R., The Effects of Syllable Structure on Diadochokinetic and Reading Rates, December, 894-908.
Till, James A., Acquisition of a Verb-Subject-Object Miniature Linguistic System by Adults, December, 787-801.
Titze, Ingo R., Comments on the Myoelastic-Aerodynamic Theory of Phonation, September, 495-510.
Todt, Ellen H., Vocal Cues as Indices of Schizophrenia, September, 517-526.
Townsend, Thomas H., Hearing Aid Measurements Using the Revised Standard: Reducing Variability and Determining Test System Accuracy, June, 322-336.

Umeda, N., Some Notes on Reading: Talkers, Material, and Reading Rate, March, 56-72.

Van Kleeck, Anne, The Effects of Children's Language Comprehension Level on Adults' Child-Directed Talk, September, 546-569.

Walden, Brian E., Consonant Similarity Judgments by Normal and Hearing-Impaired Listeners, March, 162-184.
Webster, Ronald L., *see*, Kidd, Kenneth K.
Weintraub, Sandra, *see*, Berko-Gleason, Jean
Weismer, Gary, Segmental Gestures at the Laryngeal Level in Whispered Speech: Evidence from an Aerodynamic Study, June, 383-392.
Wertz, Robert T., *see*, Porch, Bruce E.
Wilson, Howard F., *see*, Bond, Z. S.
Wingate, Marcel E., On the Hegde - Daly and Kimbarow Exchange, March, 217-219.
Wolf, Kenneth E., Middle Component AERs from Neonates to Low-Level Tonal Stimuli, March, 185-201.

Yoshioka, Patricia, Predicting Speech Discrimination from the Audiometric Thresholds, December, 814-827.
Young, Lamar L., Jr., The Intelligibility of Whitened and Amplitude Compressed Speech in a Multitalker Background, June, 393-405.
Young, Margrette, *see*, Platt, L. J.
Young, Martin A., Comparison of Stuttering Frequencies During Reading and Speaking, March, 216-217.

Zimmermann, Gerald, Articulatory Behavior Pre and Post Full-Mouth Tooth Extraction and Alveoloplasty: A Cinefluorographic Study, September, 630-645.
Zimmermann, Gerald, Articulatory Behaviors Associated With Stuttering: A Cinefluorographic Analysis, March, 108-121.
Zimmermann, Gerald, Articulatory Dynamics of "Fluent" Utterances of Stutterers and Nonstutterers, March, 95-107.
Zimmermann, Gerald, Stuttering: A Disorder of Movement, March, 122-136.
Zwicker, Eberhard, *see*, Florentine, Mary

SUBJECT INDEX

Hearing

ANATOMY AND PHYSIOLOGY

Acoustic Reflex Growth in the Aging Adult, David J. Thompson, John A. Sills, Kay S. Recke, Duc M. Bui, June, 405-419.
Autoregressive Analysis: A Method for Detecting Electroencephalic Changes in Newborns to Tones, David H. Crowell, Linda E. Kapuniai, Richard H. Jones, Glenn Pang-Ching, June, 248-258.
Middle Component AERs from Neonates to Low-Level Tonal Stimuli, Kenneth E. Wolf, Robert Goldstein, March, 185-201.

AUDIOLOGY

Acoustic Reflex Growth in the Aging Adult, David J. Thompson, John A. Sills, Kay S. Recke, Duc M. Bui, June, 405-419.
An Influence of Binaural Hearing Aids on Positioning of Sound Images, Anna K. Nábeléek, Tomasz Łętowski, David Mason, September, 670-687.
Application of a Probability Model Based on the Binomial Distribution to Speech-Discrimination Scores, Michael J. M. Raffin, Debra Schafer, September, 570-575.
Auditory Frequency Selectivity in Normal and Presbycusic Subjects, Robert H. Margolis, Seth M. Goldberg, September, 603-613.
Autoregressive Analysis: A Method for Detecting Electroencephalic Changes in Newborns to Tones, David H. Crowell, Linda E. Kapuniai, Richard H. Jones, Glenn Pang-Ching, June, 248-258.
Confidence Levels for Differences Between Speech-Discrimination Scores, Michael J. M. Raffin, Aaron R. Thornton, March, 5-18.
Consonant Similarity Judgments by Normal and Hearing-Impaired Listeners, Brian E. Walden, Allen A. Montgomery, Robert A. Prosek, Daniel M. Schwartz, March, 162-184.
Frequency Selectivity in Normally-Hearing and Hearing-Impaired Observers, Mary Florentine, Soren Buus, Bertram Scharf, Eberhard Zwicker, September, 646-669.
Hearing Aid Measurements Using the Revised Standard: Reducing Variability and Determining Test System Accuracy, Thomas H. Townsend, June, 322-336.
Intelligibility of Time-Compressed Sentential Stimuli, Daniel S. Beasley, Gene W. Bratt, William F. Rintelmann, December, 722-731.
Middle Component AERs from Neonates to Low-Level Tonal Stimuli, Kenneth E. Wolf, Robert Goldstein, March, 185-201.
Predicting Speech Discrimination from the Audiometric Thresholds, Patricia Yoshioka, Aaron R. Thornton, December, 814-827.

The Effect of Medication on Interaural Time and Intensity Discrimination in a Hemispherectomee, David B. Hawkins, March, 219-221.
The Hearing Performance Inventory and Hearing Aid Use in Profound Hearing Loss, Elmer Owens, Sharon Fujikawa, June, 470-480.
The Intelligibility of Whitened and Amplitude Compressed Speech in a Multitalker Background, Lamar L. Young, Jr., Jeannette T. Goodman, Raymond Carhart, June, 393-405.
Two-Tone Forward Masking Patterns and Tinnitus, M. J. Penner, December, 779-786.
Use of Digitized Speech Materials in Audiological Research, Candace Kamm, E. C. Carterette, D. E. Morgan, D. D. Dirks, December, 709-721.

DEAFNESS

Tactual Speech Perception by Minimally Trained Deaf Subjects, D. Kimbrough Oller, Shelley Lynn Payne, William J. Gavin, December, 769-778.
The Hearing Performance Inventory and Hearing Aid Use in Profound Hearing Loss, Elmer Owens, Sharon Fujikawa, June, 470-480.

PSYCHOACOUSTICS

An Influence of Binaural Hearing Aids on Positioning of Sound Images, Anna K. Nábeľek, Tomasz Łętowski, David Mason, September, 670-680.
Auditory Frequency Selectivity in Normal and Presbycusic Subjects, Robert H. Margolis, Seth M. Goldberg, September, 603-613.
Consonant Similarity Judgments by Normal and Hearing-Impaired Listeners, Brian E. Walden, Allen A. Montgomery, Robert A. Prosek, Daniel M. Schwartz, March, 162-184.
Frequency Selectivity in Normally-Hearing and Hearing-Impaired Observers, Mary Florentine, Soren Buus, Bertram Scharf, Eberhard Zwicker, September, 646-669.
Intelligibility of Time-Compressed Sentential Stimuli, Daniel S. Beasley, December, 722-731.
The Intelligibility of Whitened and Amplitude Compressed Speech in a Multitalker Background, Lamar L. Young, Jr., Jeannette T. Goodman, Raymond Carhart, June, 393-405.
Two-Tone Forward Masking Patterns and Tinnitus, M. J. Penner, December, 779-786.
Use of Digitized Speech Materials in Audiological Research, Candace Kamm, E. C. Carterette, D. E. Morgan, D. D. Dirks, December, 709-721.

Language

APHASIA

Narrative Strategies of Aphasic and Normal Subjects, Jean Berko-Gleason, Harold Goodglass, Loraine Obler, Eugene Green, Mary R. Hyde, Sandra Weintraub, June, 370-383.
Prediction of PICA Overall Score by Short Versions of the Test, Frank G. DiSimoni, Robert L. Keith, Frederic L. Darley, September, 511-516.
Statistical Prediction of Change in Aphasia, Bruce E. Porch, Michael Collins, Robert T. Wertz, Thomas P. Friden, June, 312-322.
Verification of Active and Passive Sentences by Aphasic and Nonaphasic Subjects, R. H. Brookshire, L. E. Nicholas, December, 878-893.

LANGUAGE DEVELOPMENT

A Comparative Study of Speech Perception in Young Severely Retarded Children and Normal Infants, Rebecca E. Eilers, D. Kimbrough Oller, June, 419-429.
Acquisition of a Verb-Subject-Object Miniature Linguistic System by Adults, James A. Till, Howard Goldstein, December, 787-801.
An Experimental-Clinical Analysis of Grammatical and Behavioral Distinctions Between Verbal Auxiliary and Copula, M. N. Hegde, December, 864-877.
Cognitive Patterns and Learning Disabilities in Cleft Palate Children with Verbal Deficits, Lynn C. Richman, June, 447-457.

Contrastive Stress and Children's Interpretation of Pronouns, Lawrence Solan, September, 688-698.
Language Comprehension in Sensorimotor Stages V and VI, Jon F. Miller, Robin S. Chapman, Mary B. Branston, Joe Reichle, June, 284-312.
The Effects of Children's Language Comprehension Level on Adults' Child-Directed Talk, Anne Van Kleeck, Robert L. Carpenter, September, 546-569.
Voice Initiation and Termination Times in Stuttering and Nonstuttering Children, Walter L. Cullinan, Mark T. Springer, June, 344-361.

OTHER

Acquisition of a Verb-Subject-Object Miniature Linguistic System by Adults, James A. Till, Howard Goldstein, December, 787-801.
Vocal Cues as Indices of Schizophrenia, Ellen H. Todt, Robert J. Howell, September, 517-526.

Speech

ANATOMY AND PHYSIOLOGY

Effects of Laryngeal Topical Anesthesia on Voice Fundamental Frequency Perturbation, David Sorensen, Yoshiyuki Horii, Rebecca Leonard, June, 274-284.
Isotonic Vocalis Contraction as a Means of Producing Rapid Decreases in F_0, Nigel Harvey, Pete Howell, September, 576-592.
Simultaneous Assessment of Pharyngeal Wall and Velar Displacement for Selected Speech Sounds, Aquiles Iglesias, David P. Kuehn, Hughlett L. Morris, June, 429-447.
The Emergence of Vowels in an Infant, Robert D. Buhr, March, 73-94.
Tongue Force in Normals and in Dysarthric Patients with Amyotrophic Lateral Sclerosis, James P. Dworkin, A. E. Aronson, Donald W. Mulder, December, 828-837.

ARTICULATION DISORDERS

A Comparison of Speech Intelligibility Between Esophageal and Normal Speakers via Three Modes of Presentation, Dee J. Hubbard, Deanie Kushner, December, 909-916.
Acquisition of the Voicing Contrast by Language-Delayed and Normal Children, Z. S. Bond, Howard F. Wilson, March, 152-161.
Articulatory Behavior Pre and Post Full-Mouth Tooth Extraction and Alveoloplasty: A Cinefluorographic Study, Gerald Zimmermann, J. A. Scott Kelso, Larry Lander, September, 630-645.
Cognitive Patterns and Learning Disabilities in Cleft Palate Children with Verbal Deficits, Lynn C. Richman, June, 447-457.
Developmental Trends in Correct /r/ Articulation as a Function of Allophone Type, Paul R. Hoffman, G. H. Schuckers, R. G. Daniloff, December, 746-756.
Dysarthria of Adult Cerebral Palsy: I. Intelligibility and Articulatory Impairment, L. J. Platt, Gavin Andrews, Margrette Young, Peter T. Quinn, March, 28-40.
Dysarthria of Adult Cerebral Palsy: II. Phonemic Analysis of Articulation Errors, L. J. Platt, Gavin Andrews, Pauline M. Howie, March, 41-55.
The Effects of Noise and Palatal Appliances on the Speech of Five-Year-Old Children, Sharon R. Garber, T. Michael Speidel, Gerald M. Siegel, December, 853-863.
The Effects of Presentation of Noise and Dental Appliances on Speech, Sharon R. Garber, T. Michael Speidel, Gerald M. Siegel, Edward Miller, Lillian Glass, December, 838-852.
Tongue Force in Normals and in Dysarthric Patients with Amyotrophic Lateral Sclerosis, James P. Dworkin, A. E. Aronson, Donald W. Mulder, December, 828-837.
Voice Initiation and Termination Times in Stuttering and Nonstuttering Children, Walter L. Cullinan, Mark T. Springer, June, 344-361.

SPEECH AND VOICE SCIENCE

A Comparative Study of Speech Perception in Young Severely Retarded Children and Normal Infants, Rebecca E. Eilers, D. Kimbrough Oller, June, 419-429.

Articulatory Behavior Pre and Post Full-Mouth Tooth Extraction and Alveoloplasty: A Cinefluorographic Study, Gerald Zimmermann, J. A. Scott Kelso, Larry Lander, September, 630-645.

Better Spectrograms from Children's Speech, A. W. F. Huggins, March, 19-27.

Comments on the Myoelastic-Aerodynamic Theory of Phonation, Ingo R. Titze, September, 495-510.

Delayed Auditory Feedback with Children, Gerald M. Siegel, Christine A. Fehst, Sharon R. Garber, Herbert L. Pick, Jr., December, 802-813.

Effects of Laryngeal Topical Anesthesia on Voice Fundamental Frequency Perturbation, David Sorensen, Yoshiyuki Horii, Rebecca Leonard, June, 274-284.

Effects of Prestimulus Interval on Phonation Initiation Reaction Times, Krzysztof Izdebski, September, 485-489.

Isotonic Vocalis Contraction as a Means of Producing Rapid Decreases in F_0, Nigel Harvey, Pete Howell, September, 576-592.

Labial-Mandibular Motor Equivalence in Speech: A Response to Sussman's Evaluation, James H. Abbs, Olive M. Hughes, September, 702-704.

Methodological Problems in Evaluating Lip/Jaw Reciprocity as an Index of Motor Equivalence, Harvey M. Sussman, September, 699-702.

Rapid Reproduction of Vowel-Vowel Sequences: Evidence for a Fast and Direct Acoustic-Motoric Linkage in Speech, R. J. Porter, Jr., J. F. Lubker, September, 593-602.

Segmental Gestures at the Laryngeal Level in Whispered Speech: Evidence from an Aerodynamic Study, Gary Weismer, Dana Longstreth, June, 383-392.

Simultaneous Assessment of Pharyngeal Wall and Velar Displacement for Selected Speech Sounds, Aquiles Iglesias, David P. Kuehn, Hughlett L. Morris, June, 429-447.

Some Notes on Reading: Talkers, Material and Reading Rate, N. Umeda, A. M. S. Quinn, March, 56-72.

The Effects of Noise and Palatal Appliances on the Speech of Five-Year-Old Children, Sharon R. Garber, T. Michael Speidel, Gerald M. Siegel, December, 853-863.

The Effects of Presentation of Noise and Dental Appliances on Speech, Sharon R. Garber, T. Michael Speidel, Gerald M. Siegel, Edward Miller, Lillian Glass, December, 838-852.

The Effects of Syllable Structure on Diadochokinetic and Reading Rates, William R. Tiffany, December, 894-908.

The Emergence of Vowels in an Infant, Robert D. Buhr, March, 73-94.

The "Linguameter": A Device for Investigating Tongue-Muscle Control, R. J. Porter, Jr., J. F. Lubker, September, 490-494.

Tongue Force in Normals and in Dysarthric Patients with Amyotrophic Lateral Sclerosis, James P. Dworkin, A. E. Aronson, Donald W. Mulder, December, 828-837.

Vocal Characteristics of Normal Speakers and Stutterers During Choral Reading, Martin R. Adams, Peter Ramig, June, 457-470.

Vocal Fundamental Frequency as Measured from Contact Microphone and Electroglottograph Recordings. A Comparison of Contact Microphone and Electroglottograph for the Measurement of Vocal Fundamental Frequency, Anders Askenfelt, Jan Gauffin, Johan Sundberg, Peter Kitzing, June, 258-274.

Vocal Shimmer in Sustained Phonation, Yoshiyuki Horii, March, 202-209.

STUTTERING

Acoustic Properties of Masking/Delayed Feedback in the Fluency of Stutterers and Controls, Simon C. G. Stephen, Mark P. Haggard, September, 527-538.

Alpha Hemispheric Asymmetry and Stuttering: Some Support for a Segmentation Dysfunction Hypothesis, W. H. Moore, Jr., William O. Haynes, June, 229-248.

Articulatory Behaviors Associated with Stuttering: A Cinefluorographic Analysis, Gerald Zimmermann, March, 108-121.

Articulatory Dynamics of "Fluent" Utterances of Stutterers and Nonstutterers. Gerald Zimmermann, March, 95-107.

Comparison of Stuttering Frequencies During Reading and Speaking, Martin A. Young, March, 216-217.

Conditioned Stimulus Effects on Stuttering and GSRs, Charles G. Reed, James B. Lingwall, June, 336-344.
Defense Preference and Stutterers' Speech Disfluencies: Implications for the Nature of the Disorder, David Prins, Rudolph Beaudet, December, 757-768.
Dimensions of Improvement in Stuttering, Franklin H. Silverman, March, 137-151.
Familial Stuttering Patterns Are Not Related to One Measure of Severity, Kenneth K. Kidd, Gary Oehlert, Raymond C. Heimbuch, Mary A. Records, Ronald L. Webster, September, 539-545.
Modification of Maintenance and Generalization During Stuttering Treatment, Roger J. Ingham, December, 732-745.
On the Hegde—Daly and Kimbarow Exchange, Marcel E. Wingate, March, 217-219.
Principal and Differential Effects of Haloperidol and Placebo Treatments Upon Speech Disfluencies in Stutterers, David Prins, Theodore Mandelkorn, F. Ann Cerf, September, 614-629.
Some Comments on "Effects of Five Experimental Treatments on Stuttering", Martin R. Adams, March, 210-213.
Some Comments on "Effects of Five Experimental Treatments on Stuttering": A Reply, Richard R. Martin, Samuel K. Haroldson, March, 214-216.
Stuttering: A Disorder of Movement, Gerald Zimmermann, March, 122-136.
Vocal Characteristics of Normal Speakers and Stutterers During Choral Reading, Martin R. Adams, Peter Ramig, June, 457-470.
Voice Initiation and Termination Times in Stuttering and Nonstuttering Children, Walter L. Cullinan, Mark T. Springer, June, 344-361.

Voice Disorders

Selected Acoustic Characteristics of Pathologic and Normal Speakers, Thomas Murry, E. Thomas Doherty, June, 361-370.
Vocal Fundamental Frequency as Measured from Contact Microphone and Electroglottograph Recordings. A Comparison of Contact Microphone and Electroglottograph for the Measurement of Vocal Fundamental Frequency, Anders Askenfelt, Jan Gauffin, Johan Sundberg, Peter Kitzing, June, 258-274.

Other

A Comparison of Speech Intelligibility Between Esophageal and Normal Speakers via Three Modes of Presentation, Dee J. Hubbard, Deanie Kushner, December, 909-916.
Acquisition of the Voicing Contrast by Language-Delayed and Normal Children, Z. S. Bond, Howard F. Wilson, March, 152-161.
Cognitive Patterns and Learning Disabilities in Cleft Palate Children with Verbal Deficits, Lynn C. Richman, June, 447-457.
Dysarthria of Adult Cerebral Palsy: I. Intelligibility and Articulatory Impairment, L. J. Platt, Gavin Andrews, Margrette Young, Peter T. Quinn, March, 28-40.
Dysarthria of Adult Cerebral Palsy: II. Phonemic Analysis of Articulation Errors, L. J. Platt, Gavin Andrews, Pauline M. Howie, March, 41-55.
Vocal Cues as Indices of Schizophrenia, Ellen H. Todt, Robert J. Howell, September, 517-526.

Title Index

A Comparative Study of Speech Perception in Young Severely Retarded Children and Normal Infants, Rebecca E. Eilers, D. Kimbrough Oller, June, 419-429.
A Comparison of Speech Intelligibility Between Esophageal and Normal Speakers via Three Modes of Presentation, Dee J. Hubbard, Deanie Kushner, December, 909-916.
Acoustic Properties of Masking/Delayed Feedback in the Fluency of Stutterers and Controls, Simon C. G. Stephen, Mark P. Haggard, September, 527-538.
Acoustic Reflex Growth in the Aging Adult, David J. Thompson, John A. Sills, Kay S. Recke, Duc M. Bui, June, 405-419.
Acquisition of a Verb-Subject-Object Miniature Linguistic System by Adults, James A. Till, Howard Goldstein, December, 787-801.

Acquisition of the Voicing Contrast by Language-Delayed and Normal Children, Z. S. Bond, Howard F. Wilson, March, 152-161.
Alpha Hemispheric Asymmetry and Stuttering: Some Support for a Segmentation Dysfunction Hypothesis, W. H. Moore, Jr., William O. Haynes, June, 229-248.
An Experimental-Clinical Analysis of Grammatical and Behavioral Distinctions Between Verbal Auxiliary and Copula, M. N. Hegde, December, 864-877.
An Influence of Binaural Hearing Aids on Positioning of Sound Images, Anna K. Nábelek, Tomasz Letowski, David Mason, September, 670-687.
Application of a Probability Model Based on the Binomial Distribution to Speech-Discrimination Scores, Michael J. M. Raffin, Debra Schafer, September, 570-575.
Articulatory Behavior Pre and Post Full-Mouth Tooth Extraction and Alveoloplasty: A Cinefluorographic Study, Gerald Zimmermann, J. A. Scott Kelso, Larry Lander, September, 630-645.
Articulatory Behaviors Associated with Stuttering: A Cinefluorographic Analysis, Gerald Zimmermann, March, 108-121.
Articulatory Dynamics of "Fluent" Utterances of Stutterers and Nonstutterers, Gerald Zimmermann, March, 95-107.
Auditory Frequency Selectivity in Normal and Presbycusic Subjects, Robert H. Margolis, Seth M. Goldberg, September, 603-613.
Autoregressive Analysis: A Method for Detecting Electroencephalic Changes in Newborns to Tones, David H. Crowell, Linda E. Kapuniai, Richard H. Jones, Glenn Pang-Ching, June, 248-258.
Better Spectrograms from Children's Speech (research note), A. W. F. Huggins, March, 19-27.
Cognitive Patterns and Learning Disabilities in Cleft Palate Children with Verbal Deficits, Lynn C. Richman, June, 447-457.
Comments on the Myoelastic-Aerodynamic Theory of Phonation (tutorial paper), Ingo R. Titze, September, 495-510.
Comparison of Stuttering Frequencies During Reading and Speaking (letter), Martin A. Young, March, 216-217.
Conditioned Stimulus Effects on Stuttering and GSRs, Charles G. Reed, James B. Lingwall, June, 336-344.
Confidence Levels for Differences Between Speech-Discrimination Scores (research note), Michael J. M. Raffin, Aaron R. Thornton, March, 5-18.
Consonant Similarity Judgments by Normal and Hearing-Impaired Listeners (letter), Brian E. Walden, Allen A. Montgomery, Robert A. Prosek, Daniel M. Schwartz, March, 162-184.
Contrastive Stress and Children's Interpretation of Pronouns, Lawrence Solan, September, 688-698.
Defense Preference and Stutterers' Speech Disfluencies: Implications for the Nature of the Disorder, David Prins, Rudolph Beaudet, December, 757-768.
Delayed Auditory Feedback with Children, Gerald M. Siegel, Christine A. Fehst, Sharon R. Garber, Herbert L. Pick, Jr., December, 802-813.
Developmental Trends in Correct /r/ Articulation as a Function of Allophone Type, Paul R. Hoffman, G. H. Schuckers, R. G. Daniloff, December, 746-756.
Dimensions of Improvement in Stuttering, Franklin H. Silverman, March, 137-151.
Dysarthria of Adult Cerebral Palsy. I. Intelligibility and Articulatory Impairment, L. J. Platt, Gavin Andrews, Margrette Young, Peter T. Quinn, March, 28-40.
Dysarthria of Adult Cerebral Palsy. II. Phonemic Analysis of Articulation Errors, L. J. Platt, Gavin Andrews, Pauline M. Howie, March, 41-55.
Effects of Laryngeal Topical Anesthesia on Voice Fundamental Frequency Perturbation, David Sorensen, Yoshiyuki Horii, Rebecca Leonard, June, 274-284.
Effects of Prestimulus Interval on Phonation Initiation Reactions Times, Krzysztof Izdebski, September, 485-489.
Familial Stuttering Patterns Are Not Related to One Measure of Severity, Kenneth K. Kidd, Gary Oehlert, Raymond C. Heimbuch, Mary Ann Records, Ronald L. Webster, September, 539-545.
Frequency Selectivity in Normally-Hearing and Hearing-Impaired Observers, Mary Florentine, Soren Buus, Bertram Scharf, Eberhard Zwicker, September, 646-669.
Hearing Aid Measurements Using the Revised Standard: Reducing Variability and Determining Test System Accuracy, Thomas H. Townsend, June, 322-336.
Intelligibility of Time-Compressed Sentential Stimuli, Daniel S. Beasley, Gene W. Bratt, William F. Rintelmann, December, 722-731.

Isotonic Vocalis Contraction as a Means of Producing Rapid Decreases in F_0, Nigel Harvey, Pete Howell, September, 576-592.
Labial-Mandibular Motor Equivalence in Speech: A Response to Sussman's Evaluation (letter), James H. Abbs, Olive M. Hughes, September, 702-704.
Language Comprehension in Sensorimotor Stages V and VI, Jon F. Miller, Robin S. Chapman, Mary Beth Branston, Joe Reichle, June, 284-312.
Methodological Problems in Evaluating Lip/Jaw Reciprocity as an Index of Motor Equivalence (letter), Harvey M. Sussman, September, 699-702.
Middle Component AERs from Neonates to Low-Level Tonal Stimuli (letter), Kenneth E. Wolf, Robert Goldstein, March, 185-201.
Modification of Maintenance and Generalization During Stuttering Treatment, Roger J. Ingham, December, 732-745.
Narrative Strategies of Aphasic and Normal Subjects, Jean Berko-Gleason, Harold Goodglass, Loraine Obler, Eugene Green, Mary R. Hyde, Sandra Weintraub, June, 370-383.
On the Hegde—Daly and Kimbarow Exchange (letter), Marcel E. Wingate, March, 217-219.
Predicting Speech Discrimination from the Audiometric Thresholds, Patricia Yoshioka, Aaron R. Thornton, December, 814-827.
Prediction of PICA Overall Score by Short Versions of the Test, Frank G. DiSimoni, Robert L. Keith, Frederic L. Darley, September, 511-516.
Principal and Differential Effects of Haloperidol and Placebo Treatments Upon Speech Disfluencies in Stutterers, David Prins, Theodore Mandelkorn, F. Ann Cerf, September, 614-629.
Rapid Reproduction of Vowel-Vowel Sequences: Evidence for a Fast and Direct Acoustic-Motoric Linkage in Speech, R. J. Porter, Jr., September, 593-602.
Segmental Gestures at the Laryngeal Level in Whispered Speech: Evidence from an Aerodynamic Study, Gary Weismer, Dana Longstreth, June, 383-392.
Selected Acoustic Characteristics of Pathologic and Normal Speakers, Thomas Murry, E. Thomas Doherty, June, 361-370.
Simultaneous Assessment of Pharyngeal Wall and Velar Displacement for Selected Speech Sounds, Aquiles Iglesias, David P. Kuehn, Hughlett L. Morris, June, 429-447.
Some Comments on "Effects of Five Experimental Treatments on Stuttering" (letter), Martin R. Adams, March, 210-213.
Some Comments on "Effects of Five Experimental Treatments on Stuttering": A Reply (letter), Richard R. Martin, Samuel K. Haroldson, March, 214-216.
Some Notes on Reading: Talkers, Material, and Reading Rate, N. Umeda, A. M. S. Quinn, March, 56-72.
Statistical Prediction of Change in Aphasia, Bruce E. Porch, Michael Collins, Robert T. Wertz, Thomas P. Friden, June, 312-322.
Stuttering: A Disorder of Movement, Gerald Zimmermann, March, 122-136.
Tactual Speech Perception by Minimally Trained Deaf Subjects, D. Kimbrough Oller, Shelley Lynn Payne, William J. Gavin, December, 769-778.
The Effect of Medication on Interaural Time and Intensity Discrimination in a Hemispherectomee (letter), David B. Hawkins, March, 219-221.
The Effects of Children's Language Comprehension Level on Adults' Child-Directed Talk, Anne Van Kleeck, Robert L. Carpenter, September, 546-569.
The Effects of Noise and Palatal Appliances on the Speech of Five-Year-Old Children, Sharon R. Garber, T. Michael Speidel, Gerald M. Siegel, December, 853-863.
The Effects of Presentation of Noise and Dental Appliances on Speech, Sharon R. Garber, T. Michael Speidel, Gerald M. Siegel, Edward Miller, Lillian Glass, December, 838-852.
The Effects of Syllable Structure on Diadochokinetic and Reading Rates, William R. Tiffany, December, 894-908.
The Emergence of Vowels in an Infant, Robert D. Buhr, March, 73-94.
The Hearing Performance Inventory and Hearing Aid Use in Profound Hearing Loss, Elmer Owens, Sharon Fujikawa, June, 470-480.
The Intelligibility of Whitened and Amplitude Compressed Speech in a Multitalker Background, Lamar L. Young, Jr., Jeannette T. Goodman, Raymond Carhart, June, 393-405.
The "Linguameter": A Device for Investigating Tongue-Muscle Control, R. J. Porter, Jr., J. F. Lubker, September, 490-494.
Tongue Force in Normals and in Dysarthric Patients with Amyotrophic Lateral Sclerosis, James P. Dworkin, A. E. Aronson, Donald W. Mulder, December, 828-837.
Two-Tone Forward Masking Patterns and Tinnitus, M. J. Penner, December, 776-786.

Use of Digitized Speech Materials in Audiological Research, Candace Kamm, E. C. Carterette, D. E. Morgan, D. D. Dirks, December, 709-721.
Verification of Active and Passive Sentences by Aphasic and Nonaphasic Subjects, R. H. Brookshire, L. E. Nicholas, December, 878-893.
Vocal Characteristics of Normal Speakers and Stutterers During Choral Reading, Martin R. Adams, Peter Ramig, June, 457-470.
Vocal Cues as Indices of Schizophrenia, Ellen H. Todt, Robert J. Howell, September, 517-526.
Vocal Fundamental Frequency as Measured from Contact Microphone and Electroglottograph Recordings. A Comparison of Contact Microphone and Electroglottograph for the Measurement of Vocal Fundamental Frequency, Anders Askenfelt, Jan Gauffin, Johan Sundberg, and Peter Kitzing. June, 258-274.
Vocal Shimmer in Sustained Phonation, Yoshiyuki Horii, March, 202-209.
Voice Initiation and Termination Times in Stuttering and Nonstuttering Children, Walter L. Cullinan, Mark T. Springer, June, 344-361.

COPYRIGHT INFORMATION ON REPRINTS AND PERMISSIONS

"The appearance of the fee codes in this journal indicates the copyright owner's consent that the copies of articles may be made for personal use or internal use, or for personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per article fee of $1.00 through the Copyright Clearance Center, Inc., 21 Congress Street, Salem, Massachusetts 01970, for copying more than one copy as indicated by Sections 107 and 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, university classes, advertising or promotional purposes, for creating new collective works, or for resale."

Requests for permission to reprint or quote from the journals of the American Speech-Language-Hearing Association should be made in writing and directed to Permissions Office, ASHA Publications Office, 10801 Rockville Pike, Rockville, Maryland 20852.